

CONSTRUCTION SPECIFICATION

VA-706. SEEDING

1. SCOPE

The work shall consist of seeding, mulching, liming and fertilizing all disturbed areas and other areas shown on the drawings or otherwise designated.

2. GENERAL

Liming, fertilizing, seeding and mulching shall be performed within 10 days from disturbance unless the seedbed cannot be properly prepared due to wetness, snow or frozen soil or as otherwise directed by the NRCS or SWCD representative.

3. FERTILIZER AND LIME

Lime shall be standard agricultural ground limestone. Fertilizer shall meet the requirements of the applicable Virginia state laws, and shall be in such physical condition to ensure uniform application over the area to be fertilized. Rates of application shall be as specified on the drawings or as shown on the attachment to this specification.

4. SEED

The seed shall conform to the latest seed laws of the United States and of Virginia. Species, the source of production if native grasses are used, and rate of seeding shall be as specified on the drawings or as shown on the attachment to this specification.

5. PREPARATION OF SEEDBED

The entire area to be seeded shall be reasonably smooth and all washes and gullies shall be filled to conform to the desired cross-section before actual seedbed preparation is begun. Scarify subsoil areas perpendicular to water flow before they are filled. After final grading, the required fertilizer (except that applied with a hydraulic seeding) and/or lime shall be applied uniformly and incorporated into the top 3 inches of the soil. The seedbed preparation operation shall be suspended when the soil is too wet or too dry.

On side slopes steeper than 3:1, the 3 inch minimum depth of seedbed preparation is not required, but the soil shall be worked enough to ensure sufficient loose soil to provide adequate seed cover.

6. SOWING THE SEED

Seed immediately after preparation of the seedbed. Uniform seed distribution shall be accomplished by drilling, broadcasting or hydraulically seeding. If a hydraulic seeder is used, the seed, fertilizer and mulch may be applied together with water.

7. MULCHING

The required mulching shall be performed with hydraulic seeding or immediately after seeding. The mulch shall be applied uniformly over the area. The type and rate shall be as specified on the drawings or as shown on the attachment to this specification.

The mulch, except for hydraulically placed mulch, shall be anchored. Anchoring of the mulch shall be performed by application of a commercially available tackifier at the rate recommended by the manufacturer, a mulch anchoring tool, tandem disk weighted and set nearly straight, track type tractor, or by installation of mulch netting. Mechanical anchoring shall be performed in a manner that creates ridges perpendicular to flow of water. Where netting is used in flow areas, the upstream end of each section shall be buried in a trench to a minimum depth of 6 inches and a maximum of 50 ft. intervals thereafter.

ATTACHMENT TO CONSTRUCTION SPECIFICATION VA-706

The estimated area to be seeded = _____ (acres) (1000 square feet)

1. **LIME**

The following minimum amount of lime shall be applied:

_____ pounds per (acre) (1000 square feet)

_____ (pounds) (tons) total

2. **FERTILIZER**

Without soil tests, apply a minimum of _____ pounds per acre or _____ pounds per 1000 square feet of a commercial fertilizer having an analysis of _____ or equivalent.

With a soil test, apply the Virginia Polytechnic Institute and State University recommended rate of fertilizer for establishment of the seeding specified.

_____ pounds of _____ fertilizer total

or

_____ pounds of _____ fertilizer total

3. **SEED**

The following kinds and rates of seed shall be sown:

<u>Kind of Seed</u>	<u>Pounds Per (acre) (1000 sq. ft.)</u>	<u>Total Seed (Pounds)</u>
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4. **MULCH**

Straw mulch shall be uniformly spread over the seeded area at the rate of 1.5 to 2 tons per acre or 2 to 3 bales per 1000 square feet.

_____ (tons) (bales) total mulch

_____ (square yards) (linear feet) total of netting (linear feet based on ____ wide roll)